

DVT-FPPNN Probe Pitch Calculator

Use this calculator to determine which fixed-pitch probe can contact the full range of test pad pitches required to be measured.

Note in the examples that follow, that probe tips do not have to be fully centered on the test pads to obtain an accurate reading.

The document's "center-to-center" fixed distances indicate the spacing (in millimeters) between the probe tips, displayed at the top of the CAD probe tip images as 0.6mm, 0.8mm, and 1.0mm. The slider then adjusts the probe pads and trace pitch relative to each of those fixed pitches, with the probe tips acting as the fixed reference.

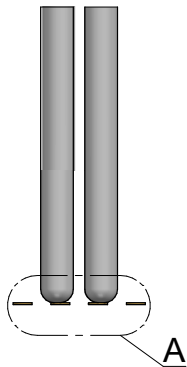
The Trace Pitch is indicated at the bottom of each image.



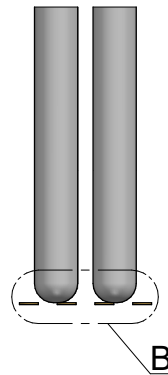
SIGNAL
MICROWAVE

0.6mm, 0.8mm and 1.0mm Pitch Probe Pins on 0.5mm x 0.25mm Probe Pads

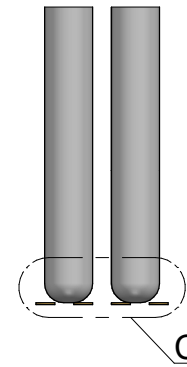
.6mm Pitch



.8mm Pitch

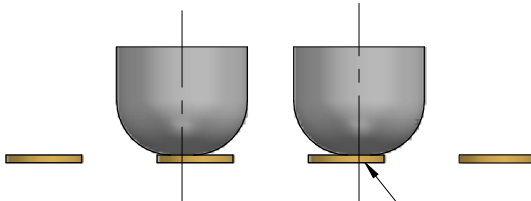


1.0mm Pitch



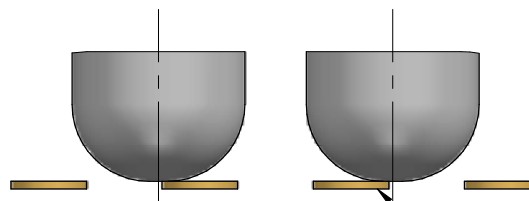
Adjusting the scrollbar changes the Trace Pitch (the distance between the traces) and the Pad Diameter. This helps determine the smallest pad size that the probe tips can contact.

.6mm Fixed Probe Pitch



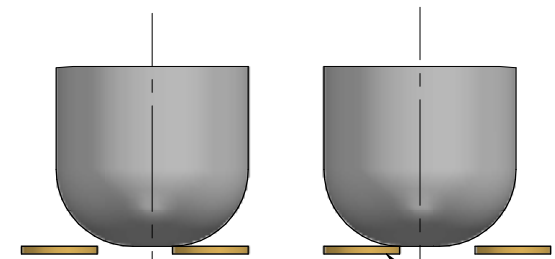
Trace Pitch 0.5mm - Pad Diameter 0.25mm
DETAIL A

.8mm Fixed Probe Pitch



Trace Pitch 0.5mm - Pad Diameter 0.25mm
DETAIL B

.1.0mm Fixed Probe Pitch



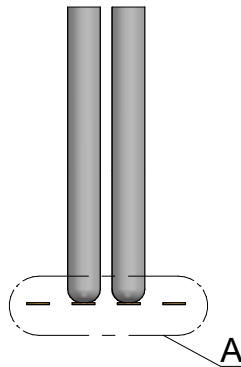
Trace Pitch 0.5mm - Pad Diameter 0.25mm
DETAIL C



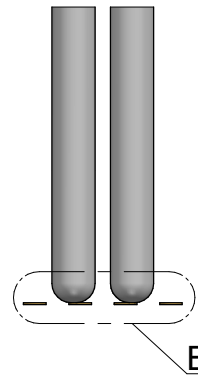
SIGNAL
MICROWAVE

0.6mm, 0.8mm and 1.0mm Pitch Probe Pins on 0.6mm x 0.3mm Probe Pads

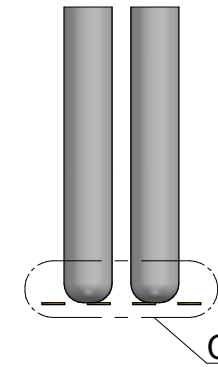
.6mm Pitch



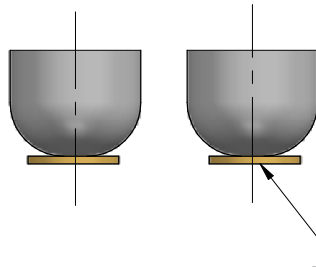
.8mm Pitch



1.0mm Pitch

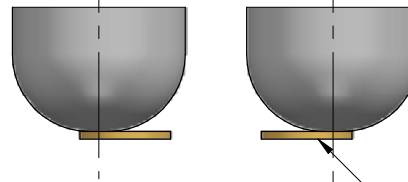


.6mm Fixed Probe Pitch



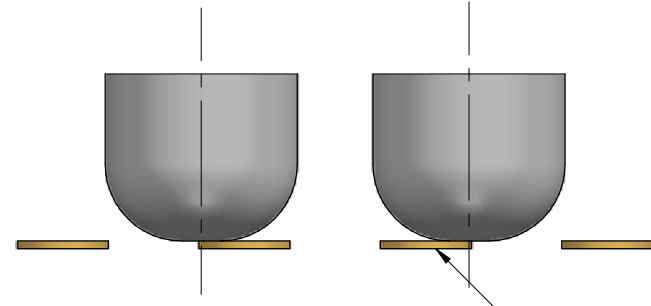
Trace Pitch 0.6mm - Pad Diameter 0.3mm
DETAIL A

.8mm Fixed Probe Pitch



Trace Pitch 0.6mm - Pad Diameter 0.3mm
DETAIL B

1.0mm Fixed Probe Pitch



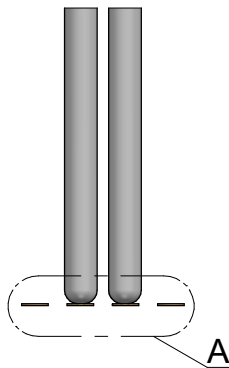
Trace Pitch 0.6mm - Pad Diameter 0.3mm
DETAIL C



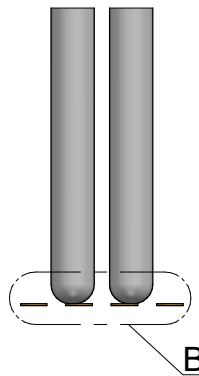
SIGNAL
MICROWAVE

0.6mm, 0.8mm and 1.0mm Pitch Probe Pins on 0.6mm x 0.35mm Probe Pads

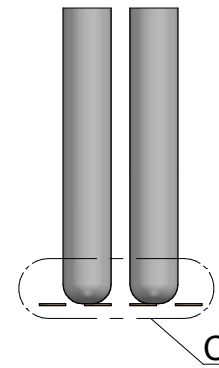
.6mm Pitch



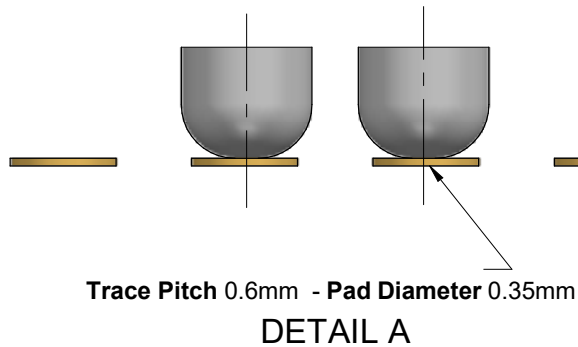
.8mm Pitch



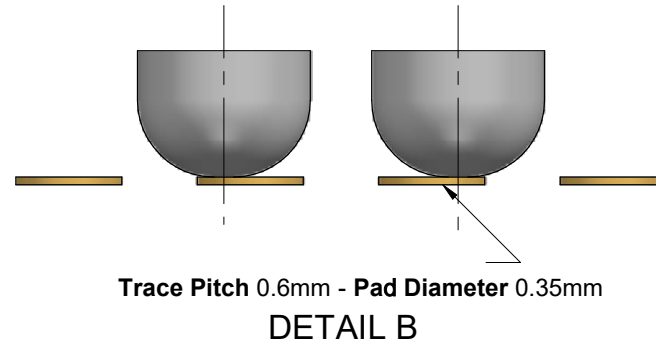
1.0mm Pitch



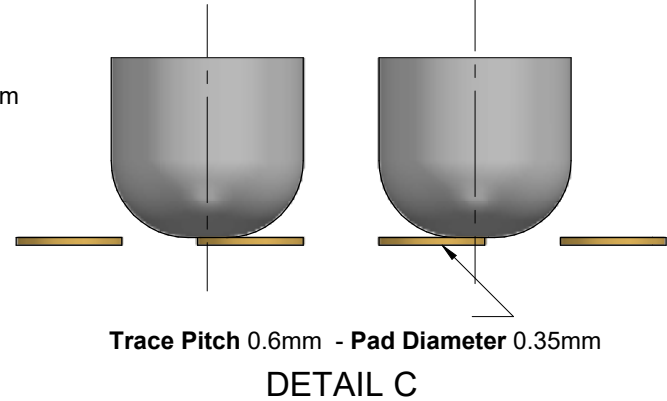
.6mm Fixed Probe Pitch



.8mm Fixed Probe Pitch



.1.0mm Fixed Probe Pitch

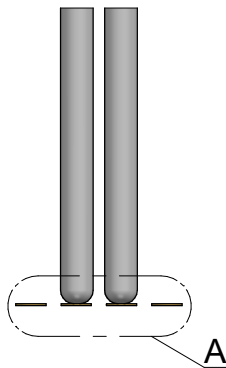




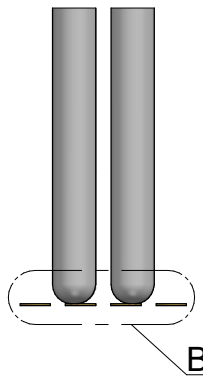
SIGNAL
MICROWAVE

0.6mm, 0.8mm and 1.0mm Pitch Probe Pins on 0.6mm x 0.4mm Probe Pads

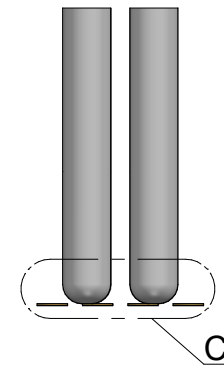
.6mm Pitch



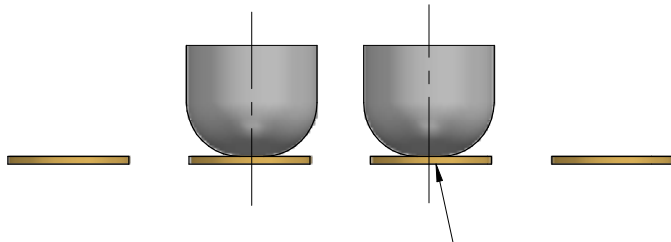
.8mm Pitch



1.0mm Pitch



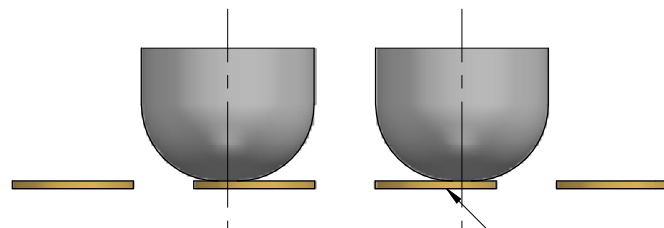
.6mm Fixed Probe Pitch



Trace Pitch 0.6mm - Pad Diameter 0.4mm

DETAIL A

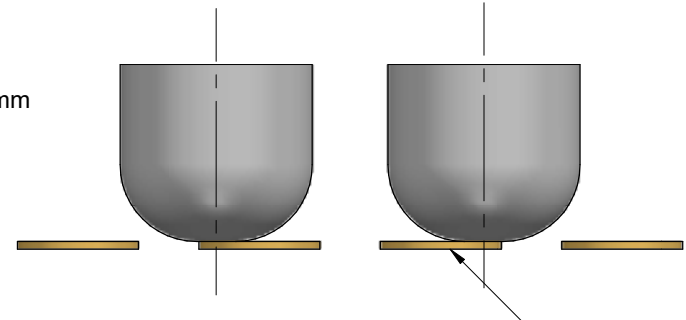
.8mm Fixed Probe Pitch



Trace Pitch 0.6mm - Pad Diameter 0.4mm

DETAIL B

.1.0mm Fixed Probe Pitch



Trace Pitch 0.6mm - Pad Diameter 0.4mm

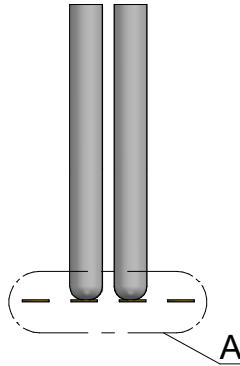
DETAIL C



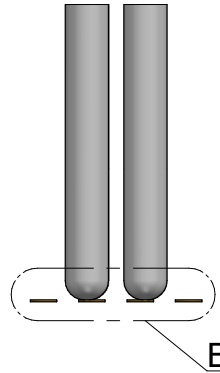
SIGNAL
MICROWAVE

0.6mm, 0.8mm and 1.0mm Pitch Probe Pins on 0.64mm x 0.35mm Probe Pads

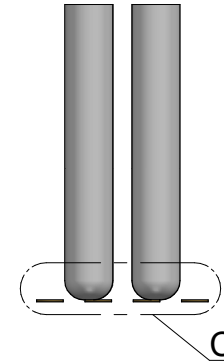
.6mm Pitch



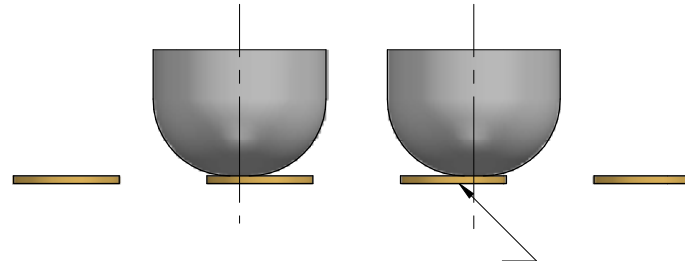
.8mm Pitch



1.0mm Pitch



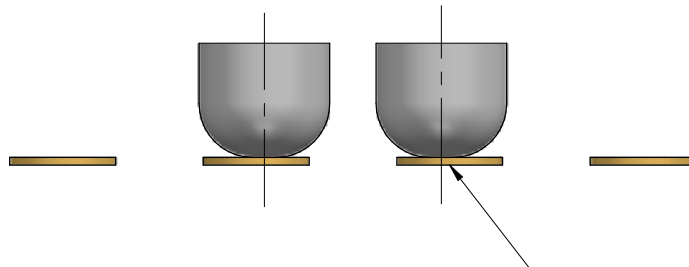
.8mm Fixed Probe Pitch



Trace Pitch 0.64mm - Pad Diameter 0.35mm

DETAIL B

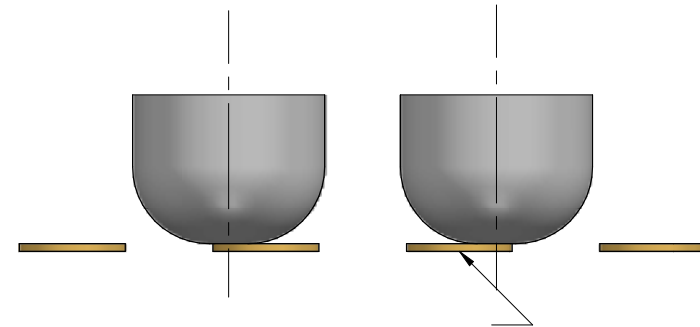
.6mm Fixed Probe Pitch



Trace Pitch 0.64mm - Pad Diameter 0.35mm

DETAIL A

.1.0mm Fixed Probe Pitch



Trace Pitch 0.64mm - Pad Diameter 0.35mm

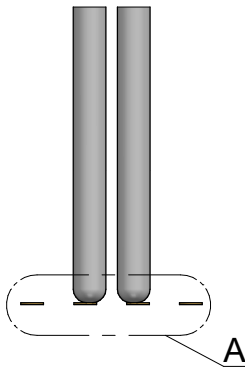
DETAIL C



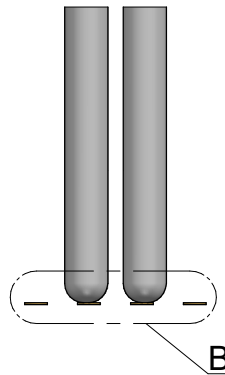
SIGNAL
MICROWAVE

0.6mm, 0.8mm and 1.0mm Pitch Probe Pins on 0.7mm x 0.3mm Probe Pads

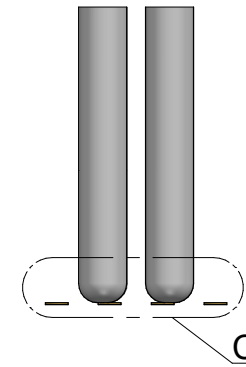
.6mm Pitch



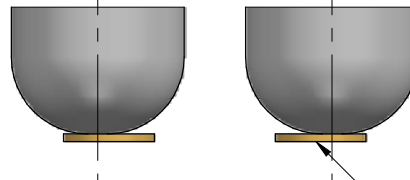
.8mm Pitch



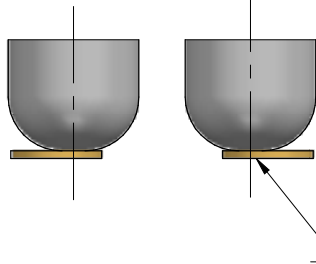
1.0mm Pitch



.8mm Fixed Probe Pitch



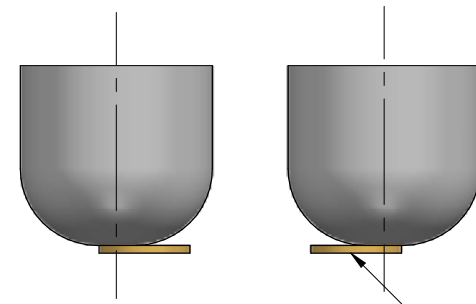
.6mm Fixed Probe Pitch



Trace Pitch 0.7mm - Pad Diameter 0.3mm

DETAIL B

.1.0mm Fixed Probe Pitch



Trace Pitch 0.7mm - Pad Diameter 0.3mm

DETAIL C

Trace Pitch 0.7mm - Pad Diameter 0.3mm

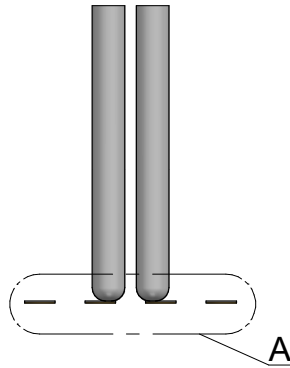
DETAIL A



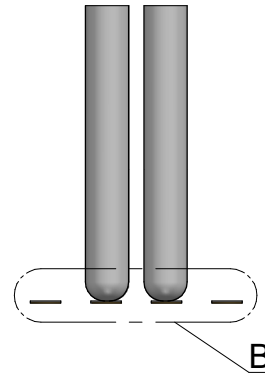
SIGNAL
MICROWAVE

0.6mm, 0.8mm and 1.0mm Pitch Probe Pins on 0.8mm x 0.4mm Probe Pads

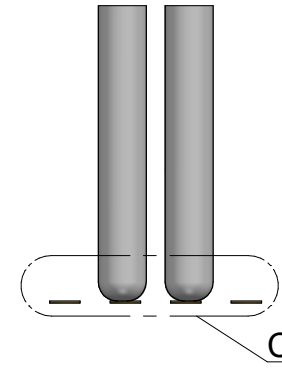
.6mm Pitch



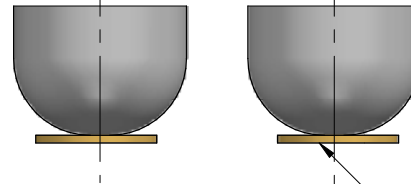
.8mm Pitch



1.0mm Pitch

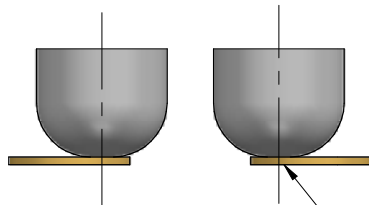


.8mm Fixed Probe Pitch



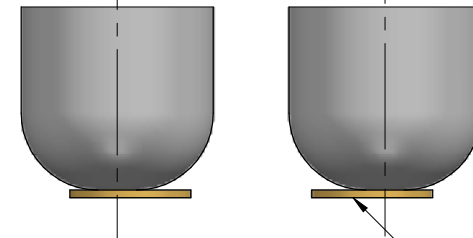
Trace Pitch 0.8mm - Pad Diameter 0.4mm
DETAIL B

.6mm Fixed Probe Pitch



Trace Pitch 0.8mm - Pad Diameter 0.4mm
DETAIL A

.1.0mm Fixed Probe Pitch



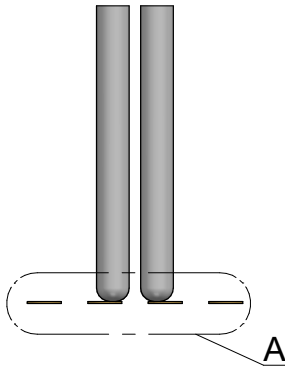
Trace Pitch 0.8mm - Pad Diameter 0.4mm
DETAIL C



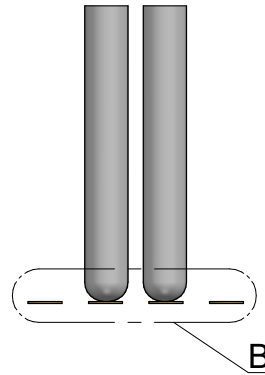
SIGNAL
MICROWAVE

0.6mm, 0.8mm and 1.0mm Pitch Probe Pins on 0.8mm x 0.45mm Probe Pads

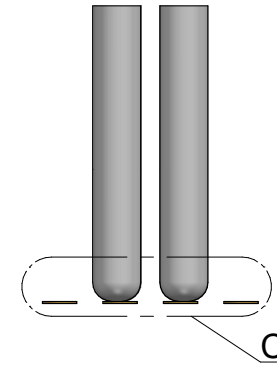
.6mm Pitch



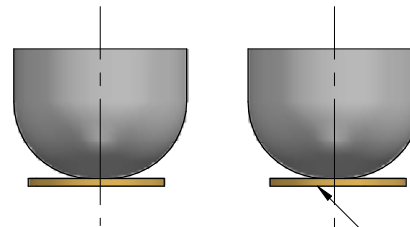
.8mm Pitch



1.0mm Pitch

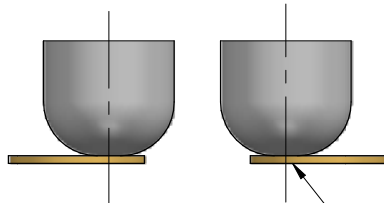


.8mm Fixed Probe Pitch



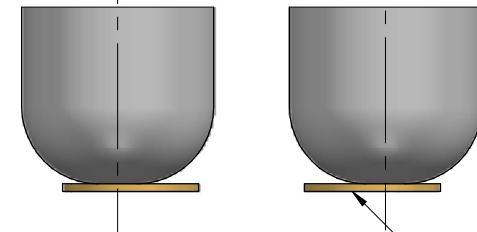
Trace Pitch 0.8mm - Pad Diameter 0.45mm
DETAIL B

.6mm Fixed Probe Pitch



Trace Pitch 0.8mm - Pad Diameter 0.45mm
DETAIL A

.1.0mm Fixed Probe Pitch



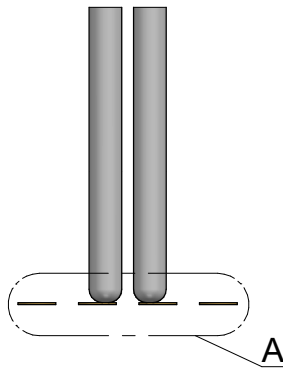
Trace Pitch 0.8mm - Pad Diameter 0.45mm
DETAIL C



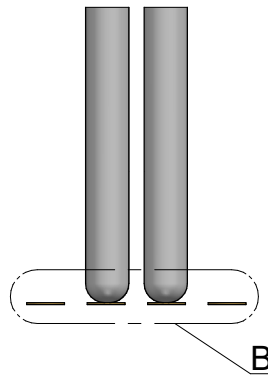
SIGNAL
MICROWAVE

0.6mm, 0.8mm and 1.0mm Pitch Probe Pins on 0.8mm x 0.5mm Probe Pads

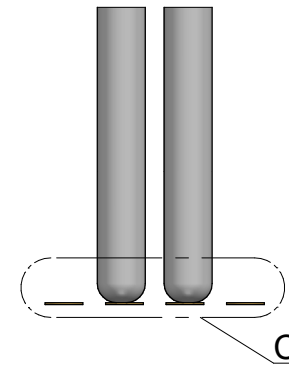
.6mm Pitch



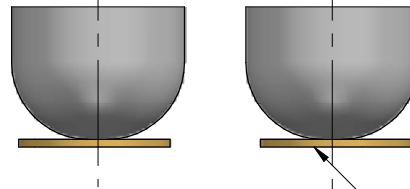
.8mm Pitch



1.0mm Pitch



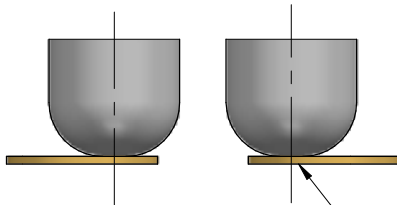
.8mm Fixed Probe Pitch



Trace Pitch 0.8mm - Pad Diameter 0.5mm

DETAIL B

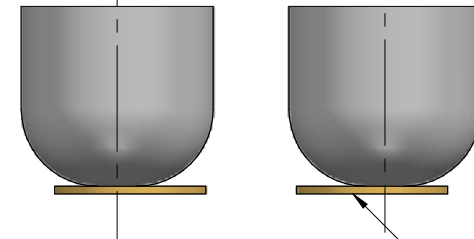
.6mm Fixed Probe Pitch



Trace Pitch 0.8mm - Pad Diameter 0.5mm

DETAIL A

.1.0mm Fixed Probe Pitch



Trace Pitch 0.8mm - Pad Diameter 0.5mm

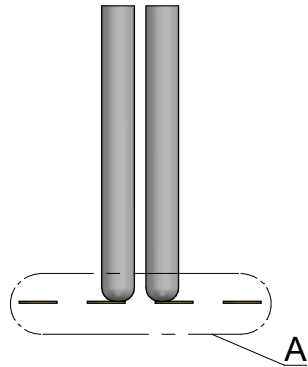
DETAIL C



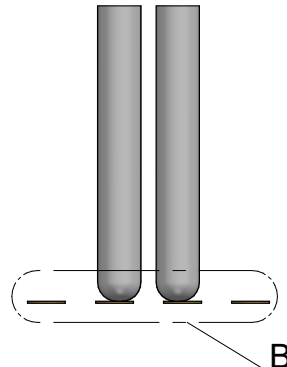
SIGNAL
MICROWAVE

0.6mm, 0.8mm and 1.0mm Pitch Probe Pins on 0.9mm x 0.5mm Probe Pads

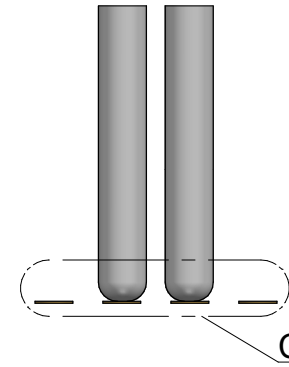
.6mm Pitch



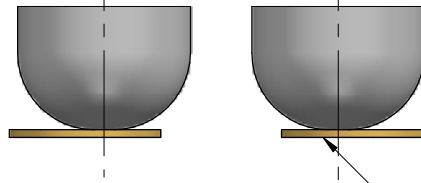
.8mm Pitch



1.0mm Pitch

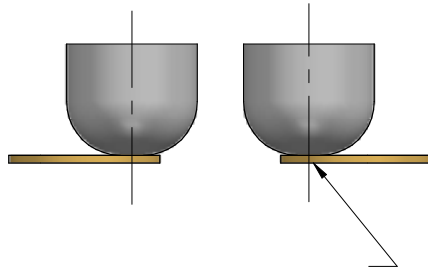


.8mm Fixed Probe Pitch



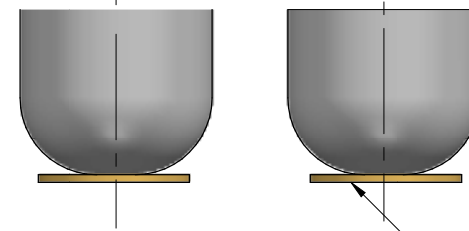
Trace Pitch 0.9mm - Pad Diameter 0.5mm
DETAIL B

.6mm Fixed Probe Pitch



Trace Pitch 0.9mm - Pad Diameter 0.5mm
DETAIL A

.1.0mm Fixed Probe Pitch



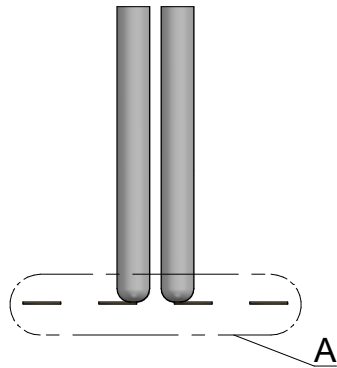
Trace Pitch 0.9mm - Pad Diameter 0.5mm
DETAIL C



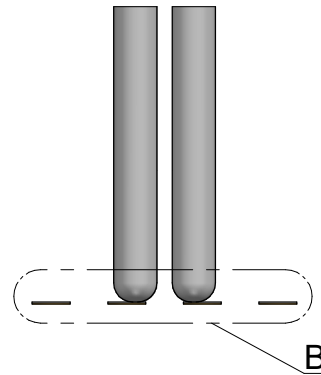
SIGNAL
MICROWAVE

0.6mm, 0.8mm and 1.0mm Pitch Probe Pins on 1.0mm x 0.5mm Probe Pads

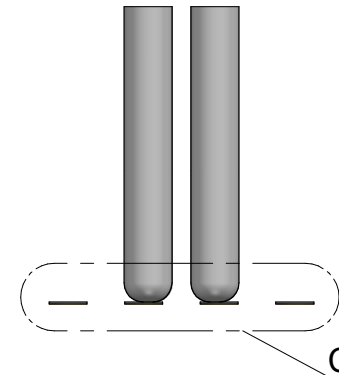
.6mm Pitch



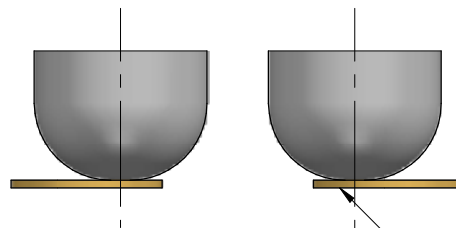
.8mm Pitch



1.0mm Pitch

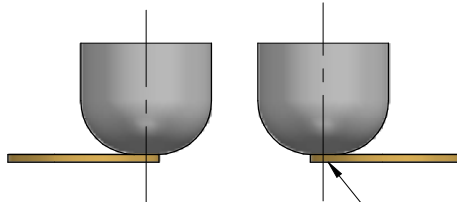


.8mm Fixed Probe Pitch



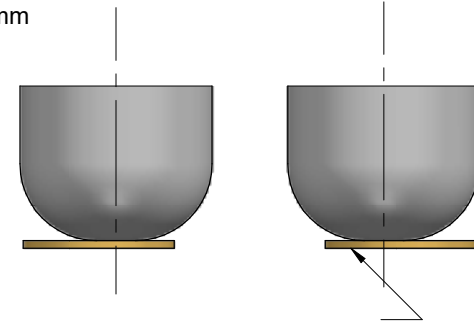
Trace Pitch 1.0mm - Pad Diameter 0.5mm
DETAIL B

.6mm Fixed Probe Pitch



Trace Pitch 1.0mm - Pad Diameter 0.5mm
DETAIL A

.1.0mm Fixed Probe Pitch



Trace Pitch 1.0mm - Pad Diameter 0.5mm
DETAIL C